

In The Specification:

On page 18, line 15, delete "Table I summarizes the" and insert therefore -- The--; after "spectrum", insert -- is --; and delete "and".

On page 18, line 16, delete "the information it provides" and later on the same line "and Table 1".

On page 24, line 2, delete "Table II shows this effect for" and substitute therefore -- For --.

On page 25, lines 1-2, delete the entire sentence starting with "Table III illustrates...", continuing onto line 2.

On page 28, lines 19-20, delete the sentence starting with "Table IV" extending onto line 20.

In The Claims:

Kindly cancel, without prejudice, claims 14-66 and enter new claims 67-187, as follows:

56-1
C
D
1
67. A composition of matter comprising a population of multiply charged ions derived from a sample substantially comprising a single polyatomic parent molecular species, all molecules of said parent molecular species having substantially the same molecular weight, the number of charges on each ion defining said ion's charge state number, said population of said multiply charged ions comprising a plurality of sub-populations, one of said ^{sub-populations having a} sub-population, for each charge state number whose minimum value is not less than three and whose maximum value is not less than five.

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68. The composition of matter of claim ¹67 in which said plurality of sub-populations is comprised of one of said sub-populations for each charge state number whose minimum value is not less than five and whose maximum value is not less than seven.